IN THE CLAIMS:

The following listing of claims will replace all prior listings of claims in this application:

1.   (Previously Presented):   In a multi-processor computing environment, a method executed by a first processor for allocating resources for use by a plurality of other processors, the method comprising:

provising a script to the first processor, the first processor being dedicated solely to parsing the script and to the allocation of resources to the plurality of other processors, the script containing information related to the resources required by the other processors and when the resources are required in the execution sequence of an application;

parsing the script to determine the resources required by the plurality of other processors; and

dynamically allocating the resources as needed by the plurality of other processors in the execution of the application.

2. – 3. (Cancelled)

4.   (Previously Presented):   The method of claim 1 wherein the resources include at least one of memory and a matrix configuration.

5.   (Cancelled)

6.   (Previously Presented):   The method of claim 1 wherein the information in the script is the amount of buffer memory needed by a program.

7.   (Currently Amended):   A method by a dedicated processor for allocating resources for executing tasks in an application in a multi-processor computing environment, the method comprising:

providing a script to [[other]] the dedicated processor[[s]], the dedicated processor being dedicated solely to executing the script and the allocation of resources to one or more other processors, the script containing ~~a map of sequences of the tasks that will occur during~~ an execution sequence of the one or more tasks;

parsing the script to determine resources required by the other processor<u>s</u> based on the ~~map of sequences~~ <u>execution sequence</u>; and

allocating the resources immediately prior to execution of each of the tasks to achieve the most efficient execution of all of the tasks.

8. (Original): The method of claim 7 wherein the script is an I/O processor script.

9. (Currently Amended): A predictive resource allocation system for a multi-processor computing environment having a plurality of processors, comprising:

a plurality of other processors for executing an application;

a dedicated processor dedicated solely to providing resource allocation to the plurality of other processors;

a script file containing information related to the resources required by the plurality of processors to execute the application;

[[a]] <u>the</u> dedicated processor running the script file and parsing the script to determine the resources required by the ~~first processor~~ <u>other processors</u>; and

the dedicated processor dynamically allocating resources at the time they are needed by the plurality of other processors for the execution of the application.

10. (Cancelled)

11. (Currently Amended): A method for allocating resources for use by a first processor in execution of an application comprising a plurality of tasks in a multi-processor computing environment, the method comprising:

providing a script to [[a]] <u>the</u> first processor, the first processor being dedicated solely to parsing the script and to allocation of resources to a plurality of other

processors, the script containing ~~a map of sequences that will occur during~~ an execution sequence of the tasks;

parsing the script to determine the ~~map of sequences~~ execution sequence of the tasks for the plurality of other processors to execute the tasks and to determine the resources required by the tasks; and

allocating the resources to the processors such that resource allocation is synchronized with when the resources are needed by processors for efficient execution of the application.

12.   (Previously Presented):   The method of claim 11 wherein allocating the resources to the plurality of other processors in the multi-processor environment further comprises dynamically allocating the resources at the time needed for execution of the tasks.